

WALKER RIVER BASIN, WALKER LAKE
10288500 WALKER LAKE NEAR HAWTHORNE, NV

LOCATION.--Lat 38°40'36", long 118°46'16" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec. 27, T.10 N., R.29 E., Mineral County, Hydrologic Unit 16050304, 14.5 mi northwest of Hawthorne.

DRAINAGE AREA.--4,050 mi², approximately.

PERIOD OF RECORD.--August 1928 to current year. Occasional readings prior to August 1928.

GAGE.--Nonrecording gage. Datum of gage is above National Geodetic Vertical Datum of 1929 (U.S. Coast and Geodetic Survey bench mark at U.S. Army Depot). Prior to December 6, 1978, at site 5.5 mi northwest of Hawthorne, at same datum.

REMARKS.--Elevations determined from reference points referred to U.S.C.G.S. bench mark. Elevations are given to the nearest 0.1 ft and contents to four significant figures in order to reflect trends of change. Any single observation, however, may be affected by wind and seiche movements of the lake surface. [See schematic diagram of Walker River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed 6,955,000 acre-ft, March 13, 1928, elevation 4,051.8 ft, U.S. Bureau of Indian Affairs; minimum observed 1,814,000 acre-ft, August 30, 2004, elevation 3,936.2 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--An elevation of 4,078.0 ft, adjustment of 1912, was observed September 27, 1908, by U.S. Geological Survey (contents 8,622,000 acre-ft, table now in use). An elevation of about 4,083 ft for 1882 is estimated by Rush (U.S. Geological Survey Hydrologic Investigations Atlas HA-415, 1970), on the basis of bathymetric data.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 1,898,000 acre-ft, October 30, 2003 elevation 3,938.8 ft; minimum observed, 1,814,000 acre-ft, August 30, 2004, elevation 3,936.2 ft.

MONTHEND ELEVATION, IN FEET ABOVE SEA LEVEL, AND TOTAL CONTENTS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
September 30.....	3,939.2	1,911,000	--
October 31.....	3,938.8	1,898,000	-13,000
November 30.....	3,938.3	1,882,000	-16,000
December 31.....	3,938.0	1,872,000	-10,000
CALENDAR YEAR 2003.....	--	--	-134,000
January 31.....	3,937.9	1,869,000	-3,000
February 29.....	3,938.0	1,872,000	+3,000
March 31.....	3,937.9	1,869,000	-3,000
April 30.....	3,937.7	1,862,000	-7,000
May 31.....	3,937.3	1,850,000	-12,000
June 30.....	3,936.9	1,837,000	-13,000
July 31.....	3,936.4	1,821,000	-16,000
August 31.....	3,936.1	1,811,000	-10,000
September 30.....	3,935.2	1,782,000	-29,000
WATER YEAR 2004.....	--	--	-129,000

NOTE.--Monthend elevations are interpolated from readings made during the year.